

Sheet No. 5....

Box No. VIII (iv) DECLARATION, INVENTORSHIP (only for the purposes of the designation of the United States of America)
 The declaration must conform to the following standardized wording provided for in Section 314; see Notes to Boxes Nos. VIII, VIII (i) to (v)
 (in general) and the specific Notes to Box No. VIII (iv). If this Box is not used, this sheet should not be included in the request.

Declaration of Inventorship (Rules 4.17(iv) and SIAM.1(a)(iv))
 for the purposes of the designation of the United States of America

I hereby declare that I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.

This declaration is directed to the international application of which it forms a part (if filing declaration with application).

This declaration is directed to International application No. PCT/... (if furnishing declaration pursuant to Rule 26ter).

I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.

I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have (indicated in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications," by application number, country or Member of the World Trade Organization, day, month and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.

Prior Applications: 60/600,041, US, 04 September 2003 (04.09.2003)

60/600,208, US, 04 September 2003 (04.09.2003)

I hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT International filing date of the continuation-in-part application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 101 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name: BLANCHARD, Danny

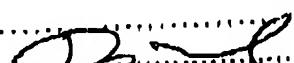
Residence: Bountiful, Utah

(city and either US state, if applicable, or country)

Mailing Address: 184 West 1450 North

Bountiful, Utah 84010

Citizenship: US

Inventor's Signature: 
 (If not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)

Date: 7-2-04

(of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)

Name: LIGRANI, Phil

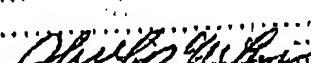
Residence: Sandy, Utah

(city and either US state, if applicable, or country)

Mailing Address: 3051 E. Dimple Dell Circle

Sandy, UT 84092-4584

Citizenship: US

Inventor's Signature: 
 (If not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)

Date: September 2, 2004

(of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)

This declaration is continued on the following sheet, "Continuation of Box No. VIII (iv)".

See Notes to the request form

Form PCT/RO/101 (declaration sheet (iv)) (January 2004)

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Sheet No. ...6...

Continuation of Box No. VIII (i) to (v) DECLARATION

If the space is insufficient in any of Boxes Nos. VIII (i) to (v) to furnish all the information, including in the case where more than two inventors are to be entered in Box No. VIII (iv), in such case, write "Continuation of Box No. VIII ..." (indicate the item number of the Box) and furnish the information in the same manner as required for the purpose of the Box in which the space was insufficient. If additional space is needed in respect of two or more declarations, a separate continuation box shall be used for each such declaration. If this Box is not used, this sheet should not be included in the request.

Continuation of Box No. VIII (iv)

GALE, Bruce
Taylorsville, Utah
4909 Brown Villa Cove
Taylorsville, Utah 84123
US

Inventor's Signature: 

Date: 9/2/04

PCT

POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)

(PCT Rule 90.4)

The undersigned applicant(s) (Names should be indicated as they appear in the request):

UNIVERSITY OF UTAH RESEARCH FOUNDATION
 BLANCHARD, DANNY
 LIGRANI, PHIL
 GALE, BRUCE

hereby appoints (appoint) the following person as:

 agent common representativeName and address
(Family name, followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

NORTH, VAUGHN W.
 WESTERN, M. WAYNE
 HOBSON, GARRON M.
 DE JONGE, PETER M.
 THOMPSON, CLIFTON W.
 PERRY, STEVE M.
 CHENG, WEILI
 MCKINNEY, DAVID R.

OAKESON, GARY P.
 OSBORNE, DAVID W.
 JONES, JASON R.
 ERICKSEN, ERIK S.
 OGILVIE, JOHN W.L.
 JOHNSON, CHRISTOPHER L.
 WINESSETT, NATHAN S.
 ALDER, TODD B.

ALL AT THE SAME ADDRESS OF:
 THORPE NORTH & WESTERN LLP
 P.O. BOX 1219
 SANDY, UTAH 84091-1219
 US

to represent the undersigned before

all the competent International Authorities
 the International Searching Authority only
 the International Preliminary Examining Authority only

In connection with the international application identified below:

Title of the invention: ROTARY CENTRIFUGAL AND VISCOUS PUMPS

Applicant's or agent's file reference: 29343.PCT

International application number (if already available):

filed with the following Office US as receiving Office
and to make or receive payments on behalf of the undersigned.

Signature of the applicant(s) (where there are several applicants, each of them signs next to each signature, indicate the name of the person signing and the capacity in which the person signs, if such capacity is not obvious from reading the request or this power):

Rajiv Kulkarni

University of Utah Research Foundation

By: Rajiv Kulkarni
Its: Sr. Licensing ManagerDate: September 2, 2004Danny Blanchard
Danny Blanchard
Applicant/ InventorPhil Ligrani
Phil Ligrani
Applicant/ InventorBruce Gale
Bruce Gale
Applicant/ Inventor

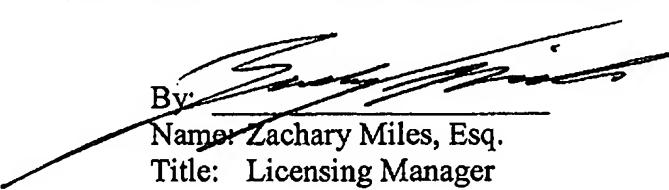
POWER OF ATTORNEY

University of Utah Research Foundation, a nonprofit organization and a university of higher education, organized and existing under the laws of the State of Utah, having a business address of 615 Arapeen Drive, Suite 310, Salt Lake City, UT 84108, owner of all right, title and interest in the invention entitled ROTARY CENTRIFUGAL AND VISCOUS PUMPS for which an application for United States Letters patent was filed on _____, and given U.S. Patent Application Serial No. _____, and empowered to prosecute the U.S. and foreign applications on behalf of the inventors, hereby appoint as its attorneys and/or agents all registered patent practitioners/attorneys associated with Customer Number **20,551**; all with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

All correspondence concerning this application should be directed to Garron M. Hobson at the address associated with the above-mentioned Customer Number. (Even though an attorney is listed, please associate the above-mentioned Customer Number with this case.).

Dated this 3rd day of March 2006 at Salt Lake City, Utah (City, State).

UNIVERSITY OF UTAH RESEARCH FOUNDATION

By: 
Name: Zachary Miles, Esq.
Title: Licensing Manager

10/570837



IAP0 Rec'd PCT/PTO 03 MAR 2006

Memorandum

Date: November 16, 2005
To: Zachary Miles, Technology Licensing Associate
Technology Commercialization Office
From: Ray Gesteland, Vice President for Research
President, University of Utah Research Foundation
Subject: Delegation of Signatory Authority

This memorandum confirms the authorization granted to you to execute and sign documents on behalf of the University of Utah and the University of Utah Research Foundation for patent documents, confidential disclosure agreements, and biological and materials transfer agreements.

Raymond F. Gesteland
Raymond F. Gesteland, Ph.D.

RFG/se

University of Utah Research Foundation
201 S PRESIDENTS CIRCLE RM 210
SALT LAKE CITY, UTAH 84112-9011

(801) 581-7236
FAX (801) 585-6212

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DECLARATION AND PETITION

As a below named inventor, I hereby declare: that my residence, post office address, and citizenship are as stated below next to my name; that I verily believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled ROTARY CENTRIFUGAL AND VISCOUS PUMPS, the specification of which is attached hereto, or which was filed on _____ as THORPE NORTH & WESTERN L.L.P. Docket No. 23343.PCT.US, and given United States Application No.

_____, and was amended on _____ (if applicable); that the subject matter of the attached amendment or amendment filed on _____ was part of my or our invention and was invented before the filing date of the original application, above identified for such invention; that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above; and that I acknowledge the duty to disclose information which is material to patentability as defined in § 1.56(a) of Title 37 of the Code of Federal Regulations.

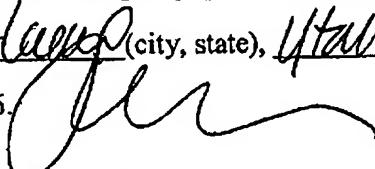
I hereby claim the benefit of the earlier filed patent application filed as PCT International Application No. PCT/US04/28890; which claims priority to U.S. Provisional Application Nos. 60/500,041 & 60/500,208 both filed on September 4, 2003; and insofar as the subject matter of each of the claims of these applications is not disclosed in the earlier filed pending applications in the manner provided by the first paragraph of Section 112 of Title 35 of the United States code, I acknowledge the duty to disclose material information, as defined in Section 1.56(a) of Title 37 of the Code of Federal Regulations, which occurred between the filing date of the earlier filed applications and the filing date of this application.

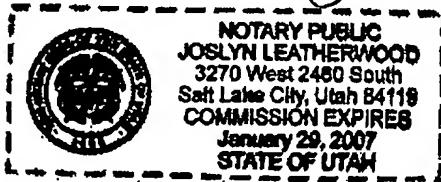
I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these

Declaration and Petition
US Patent Application
Page 2

statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the application or any patent issuing thereon.

Wherefore, I pray that Letters Patent be granted to me for the invention or discovery described and claimed in the foregoing specification and claims, declaration, and this petition.

Signed at Provo (city, state), Utah, this 3 day of
March, 2006. 



Residence: (City, State):

Citizenship:

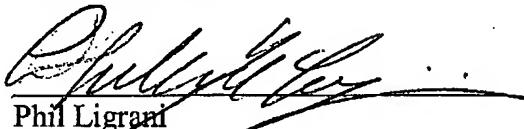
Post Office Address:

INVENTOR(S):


Danny Blanchard
Bountiful, UT
US
194 West 1450 North
Bountiful, UT 84010

Signed at Salt Lake City (city, state), Utah, this 1st day of
March, 2006.

INVENTOR(S):



Phil Ligmani

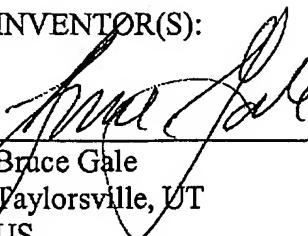
Sandy, UT

US

Post Office Address: 3051 East Dimple Dell Circle
Sandy, UT 84092

Signed at Salt Lake City (city, state), UT, this 3rd day of
March, 2006.

INVENTOR(S):



Bruce Gale
Taylorsville, UT
US

Residence: (City, State):

Citizenship:

Post Office Address:

4909 Brown Villa Cove
Taylorsville, UT 84123